

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2003/001666

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: A61M 1/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5662806 A (KESHAVIAH, P. ET AL), 2 Sept 1997. (02.09.1997), column 3, line 66 - column 4, line 23; column 9, line 15 - line 57, figure 4 --	1-17
A	EP 0547025 B1 (GAMBRO AB), 16 June 1993 (16.06.1993), figure 1, abstract --	1-17
A	SE 513034 C2 (GAMBRO LUNDIA AB), 19 June 2000 (19.06.2000), figure 1, abstract --	1-17
A	US 6284141 B1 (SHALDON, S. ET AL), 4 Sept 2001 (04.09.2001), figure 3, abstract --	1-17

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

19 January 2004

Date of mailing of the international search report

27-01-2004

Name and mailing address of the ISA/
Swedish Patent Office
Box 5055, S-102 42 STOCKHOLM
Facsimile No. +46 8 666 02 86

Authorized officer

Patrik Blidefalk /OGU
Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2003/001666**C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p data-bbox="313 359 1063 426">US 5685988 A (MALCHESKY, P.), 11 November 1997 (11.11.1997), figure 1, abstract</p> <p data-bbox="657 457 787 504">-- -----</p>	1-17

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE 2003/001666

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: **1-10, 15, 17**
because they relate to subject matter not required to be searched by this Authority, namely:
see extra sheet
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE 2003/001666

Claims 1-10, 15, and 17, respectively, contain placing a catheter in a human or animal body. Therefore, they implicitly relate to a surgical method practised on a human or animal body.

The claims also relate to a diagnostic method, i.e. they determine when the treatment by dialysis is performed and when it will be finished.

Thus, the International Search Authority is not required to carry out a search report for these claims (Rule 39.1(iv)). Nevertheless, a search has been executed for these claims.

INTERNATIONAL SEARCH REPORT
Information on patent family members

24/12/2003

International application No.
PCT/SE 2003/001666

US 5662806 A 02/09/1997

US	5518623 A	21/05/1996
US	5849179 A	15/12/1998
AU	674177 B	12/12/1996
AU	5328394 A	09/05/1994
BR	9305667 A	26/11/1996
CA	2124809 A	28/04/1994
CN	1090511 A	10/08/1994
CN	1130232 B	10/12/2003
DE	69320619 D,T	06/05/1999
DE	69330804 D,T	18/07/2002
EP	0616540 A,B	28/09/1994
SE	0616540 T3	
EP	0847768 A,B	17/06/1998
SE	0847768 T3	
JP	7502190 T	09/03/1995
MX	9306336 A	31/01/1995
WO	9408641 A	28/04/1994

EP 0547025 B1 16/06/1993

DE	68916561 D,T	27/10/1994
DE	68926686 D,T	23/01/1997
EP	0330892 A,B	06/09/1989
ES	2055750 T	01/09/1994
ES	2089592 T	01/10/1996
JP	1270873 A	30/10/1989
JP	3095223 B	03/10/2000
JP	3200594 B	20/08/2001
JP	11313885 A	16/11/1999
SE	465404 B,C	09/09/1991
SE	8800757 A	04/09/1989
US	5024756 A	18/06/1991

INTERNATIONAL SEARCH REPORT

Information on patent family members

24/12/2003

International application No.

PCT/SE 2003/001666

SE	513034	C2	19/06/2000	AU	743208	B	24/01/2002
				AU	1057899	A	24/05/1999
				AU	1792899	A	28/06/1999
				BR	9813313	A	22/08/2000
				CA	2313209	A	17/06/1999
				EP	1037681	A	27/09/2000
				JP	2003523776	T	12/08/2003
				SE	9801963	A	03/12/1998
				WO	9929355	A	17/06/1999
				AU	732784	B	26/04/2001
				AU	8046698	A	21/12/1998
				BR	9809718	A	11/07/2000
				CA	2254018	A	09/06/1999
				EP	0920877	A	09/06/1999
				EP	0986410	A	22/03/2000
				FR	2771931	A,B	11/06/1999
				JP	11262521	A	28/09/1999
				JP	2002514120	T	14/05/2002
				US	6110384	A	29/08/2000
				US	6258027	B	10/07/2001
				WO	9855166	A	10/12/1998
				AU	729050	B	25/01/2001
				AU	5501398	A	31/07/1998
				DE	69712791	D,T	28/11/2002
				DK	961604	T	09/09/2002
				EP	0961604	A,B	08/12/1999
				SE	0961604	T3	
				JP	2001508332	T	26/06/2001
				SE	9702074	D	00/00/0000
				TW	394692	B	00/00/0000
<hr/>							
US	6284141	B1	04/09/2001	AU	5141598	A	22/06/1998
				EP	0942759	A	22/09/1999
				JP	2001504735	T	10/04/2001
				SE	9604370	D	00/00/0000
				WO	9823311	A	04/06/1998
<hr/>							
US	5685988	A	11/11/1997	NONE			
<hr/>							